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Docket No.: 57901US005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: CLARKE, GRAHAM M.

Application No.: 10/621,620 Confirmation No.: 1875

Filed: July 17, 2003

Title: MICRONEEDLE DEVICES AND MICRONEEDLE DELIVERY
APPARATUS

INFORMATION DISCLOSURE STATEMENT

Mail Stop: Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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August 1, 2006

Date

Judy L Hansen

Signed by: Judy L. Hansen

Dear Sir:

Pursuant to 37 CFR §§ 1.56, 1.97, and 1.98, enclosed is a completed Form PTO-1449, citing references submitted for consideration by the Examiner. It is respectfully requested that the Examiner initial and return the enclosed Form PTO-1449 to indicate that each reference has been considered.

Copies of any cited foreign patents, foreign publications, non-patent literature documents, and any pending U.S. applications filed before June 30, 2003, are enclosed. Copies of any pending U.S. applications filed after June 30, 2003 that can be accessed on the USPTO's IFW system are not enclosed as per USPTO Waiver dated September 21, 2004. Copies of any U.S. patents and published U.S. patent applications are not enclosed.

This Information Disclosure Statement is being mailed after receipt of a first Office Action on the merits, but prior to the mailing of a Notice of Allowance under 37 CFR § 1.311.

Fees:

Please charge the fee provided in 37 CFR § 1.17(p) to Deposit Account No. 13-3723. One copy of this sheet marked duplicate is also enclosed.

Any required fee will be paid at the time of EFS-Web submission.

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Respectfully submitted,

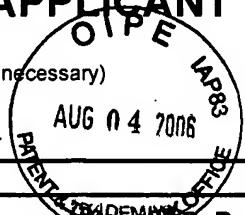
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Telephone No.: 651-737-7524

August 1, 2006
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STATEMENT BY APPLICANT

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U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number Doc. Number-(Kind Code if Known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	US- 2619962	12/02/52	Rosenthal	
	A2	US- 3034507	05/15/62	McConnell et al.	
	A3	US- 3072122	01/08/63	Rosenthal	
	A4	US- 3074403	01/22/63	Cooper et al.	
	A5	US- 3123212	03/03/64	Taylor et al.	
	A6	US- 3136314	06/09/64	Kravitz	
	A7	US- 3221740	12/07/65	Rosenthal	
	A8	US- 3246647	04/19/66	Taylor et al.	
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	A10	US- 3905371	09/16/75	Stickl et al.	
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	A14	US- 5262128	11/16/93	Leighton et al.	
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	A18	US- 5657516	08/19/97	Berg et al.	
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	A20	US- 5879326	03/09/99	Godshall et al.	
	A21	US- 5983136	11/09/99	Kamen	
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	A23	US- 6090790	07/18/00	Eriksson	
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	A27	US- 6322808 B1	11/27/01	Trautman et al.	
	A28	US- 6334856 B1	01/01/02	Allen et al.	

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Substitute for form 1449A/PTO (modified)		Application Number	10/621,620
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Filing Date	July 17, 2003
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		Confirmation Number	1875
		Attorney Case Number	3767
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	A29	US- 6379324 B1	04/30/02	Gartstein et al.	
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	A57	US- 2002/0095134 A1	07/18/02	Pettis et al.	
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		Ctry. Code	Number-KindCode (If known)			
	B1	EP	0 407 063 A1	01/09/91		X
	B2	WO	01/36037 A2	05/25/01		X
	B3	WO	2005/051455 A2	06/09/05		X
	B4					
	B5					
	B6					
	B7					

OTHER DOCUMENTS				
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	C1	Daddona, P.; "Recent advances in peptide, protein and macromolecule drug delivery"; Current Opinion in Drug Discovery & Development 1999 2(2):168-171		
	C2	Kaushik, S et al.; "Lack of Pain Associated with Microfabricated Microneedles"; Anesth Analg; 2001, 92:502-504		
	C3	Henry S. et al.; "Microfabricated Microneedles: A Novel Approach to Transdermal Drug Delivery"; Journal of Pharmaceutical Sciences; Vol. 87, No. 8, August 1998 pps. 922-925		
	C4	McAllister, D. et al.; "Microfabricated Microneedles for Gene and Drug Delivery"; Annu. Rev. Biomed. Eng.; 2000; 02:289-313		
	C5	McAllister, D. et al.; "Solid and Hollow Microneedles for Transdermal Protein Delivery"; Proceed. Int'l. Symp. Control. Rel. Bioact. Mater., 26; July 1999; Controlled Release Society, Inc.; pps. 192-193		
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	C7	Weber, L. et al.; "Micro molding - a powerful tool for the large scale production of precise microstructures"; SPIE Vol. 2879; pps. 156-167		
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